

Abstract

Process for the processing of image data which represent the color values of an image, to achieve optimal color reproduction of the image by an image reproduction system, especially by a photographic printer or photolab in response to the image data. In an exemplary embodiment, the image data which represent first positions in a first color space are received. The first positions are transformed into transformation positions which represent positions in a second color space; and the response of the image reproduction system to the image data is modeled with a model image reproduction system such that the model image reproduction system outputs the response as model positions which represent the color values produced by the model image reproductions system in response to the input of the image data as positions in a second color space. Second positions in the second color space can be determined based on the transformation positions and the model positions to determine optimized image data for the control of the image reproduction system